

AAL Specifications

Model	AAL8	AAL10	AAL12	AAL15	AAL212
System Type	8" 2-Way	10" 3-Way	12" 3-Way	15" 3-Way	12" 3-Way
Woofer	8" Fiber Foam Surround 1"Voice Coil	10" Fiber Foam Surround 1-1/2"Voice Coil	12" Fiber Foam Surround 1-1/2"Voice Coil	15" Fiber Foam Surround 2" Voice Coil	Dual 12" Fiber Foam Surround 2"Voice Coil
Midrange	N/A	5" Mid-bass	5" Mid-bass	5" Mid-bass	5" Mid-bass
Tweeter	2"x6" Horn- Loaded Quartz	2"x6" Horn- Loaded Quartz	2"x6" Horn- Loaded Quartz	2"x6" Horn- Loaded Quartz	2"x6" Horn- Loaded Quartz
Freq. Response	75Hz-22kHz	55Hz-22kHz	50Hz-22kHz	40Hz-22kHz	38Hz-22kHz
Sensitivity	91dB	92dB	92dB	92dB	93dB
Nominal Impedance	8 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm
Power Handling	50Watts RMS/ 100Watts Total	75Watts RMS/ 150Watts Total	100Watts RMS/ 200Watts Total	125Watts RMS/ 250Watts Total	300Watts RMS/ 600Watts Total
Height	17-3/4"	23-1/4"	26-1/4"	28-1/4"	38-7/8"
Width	10-1/2"	14-1/4"	14-3/4"	17-3/4"	15-3/16"
Depth	8-7/8"	10-3/8"	11-1/8"	15-3/8"	15-5/8"

MTX Warranty Statement

MTX loudspeakers are guaranteed against defects in parts and workmanship for a period of ten (10) years from the date of purchase by the original end user. Speakers found defective during that period will be repaired by MTX without charge for parts.

This warranty is void if it is determined that unauthorized parties have attempted repairs or alterations of any nature. This warranty does not extend to cabinets or to grilles. Before assuming that a defect is present in the speakers, be certain that all associated equipment is operating properly.

Your MTX ten year warranty is factory direct. If a defect is present, you are responsible for providing transportation to the factory. Your MTX dealer can recommend the safest method of transportation.

Proof of purchase is required when requesting service, so please retain your sales slip. Specifications subject to change without notice.

All correspondence should be directed to MTX, 4545 E. Baseline Rd., Phoenix, AZ 85040, attention: Warranty Department, or call (602)438-4545.



4545 E. Baseline Rd.
Phoenix, AZ 85044
(602)438-4545



***AAL SERIES
OWNER'S GUIDE***

Congratulations...

...on your purchase of MTX AAL Home Loudspeakers. Your new loudspeakers represent years of thorough research and development in the most modern techniques of speaker design and engineering, and they are proudly built in America. Using advanced technology and high quality electronics and components, MTX AAL loudspeakers assure you of exceptional performance and value.

Your speakers were examined very carefully during and after manufacturing to assure all quality standards were met or exceeded. If damage as a result of shipping and handling has occurred, please contact the shipper or your dealer immediately.

Thank You for selecting MTX when you made your audio equipment purchase.

Features

•Bass Reflex Enclosures

All MTX AAL Series Loudspeakers provide efficient, low bass response by utilizing a vented/bass reflex enclosure design. This design provides optimum low frequency response and maximum efficiency.

•Tweeter

All AAL systems feature a 2" x 6" beveled edge, horn loaded Quartz tweeter which improves top end response and dispersion.

•Mid-bass

5" mid-bass features a treated fiber cone and cloth surround, and is mounted in an internally damped enclosure. This acoustically isolates the mid-bass from the woofer, with a resulting reduction in transient inter-modulation distortion. It also allows the mid-bass to reproduce the lower frequencies required to blend seamlessly with the woofer.

•Low Frequency Drivers

The woofers in all AAL systems utilize Finite Element Analysis (FEA) designed motor structures with high temperature aluminum voice coil formers, and massive strontium ferrite magnet assemblies for maximum energy transfer and excellent cone control. A composite pulp cone and foam surround completes the woofer design. This configuration provides optimum low frequency response and maximum efficiency.

•Quality

With a very strong manufacturing heritage, MTX has built its reputation by utilizing a vertically integrated approach to manufacturing. This allows MTX to control every aspect of the manufacturing process - from design to production - for exceptional product quality.

•Value

The MTX AAL Series loudspeakers are built in America with high quality components and are backed by a ten year warranty, offering you the best valued loudspeaker available.

Guidelines for Speaker Placement

Your new MTX loudspeaker system has been engineered to provide deep powerful bass and crisp, natural high frequency performance in a wide variety of installations. Because no two rooms are exactly alike, there are no exact rules for speaker placement. There are, however, several steps you can take to maximize your listening enjoyment.

Avoid placing your loudspeakers at opposite ends of

the room if possible. This can result in the undesirable effect called the "hole in the middle". Keeping the speaker system on the same wall will enhance the stereo effect or "image". Try to place the speakers so that they form an equilateral triangle with your seating position, and aim or "toe-in" the speakers so that the tweeters face you like a camera lens.

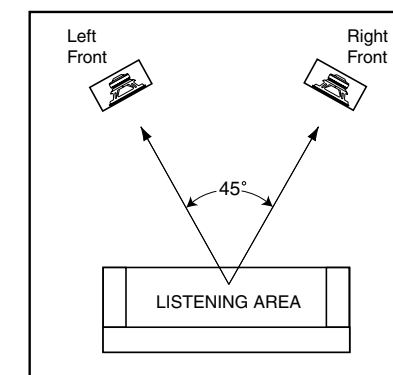
Depending on your preference, bass output can be

increased by placing the speakers near walls or in corners. Experiment to find the low frequency performance you enjoy most.

If the speaker system is placed near the ceiling, on top of a book case or entertainment unit, try to aim the speakers down into the listening area. Always make sure they are stable and will not fall. Whenever you place a speaker on a shelf or bookcase, be sure it can support the weight safely. Should you need to lay the speakers on their sides, keep the tweeters at opposite ends to maintain a balanced sound.

You must be the final judge as to where your new MTX loudspeakers perform best. With that in mind,

you will find it worthwhile to take time to familiarize yourself with their performance and experiment with their placement to determine where they provide the best frequency balance and stereo effect.



Connecting the Speakers to Your System

Though there are many sizes of speaker wire available, MTX recommends using 18 gauge or heavier wire to connect your loudspeakers to your amplifier or receiver.

Before cutting the speaker wire to the proper lengths, be sure to leave an extra two or three feet of surplus wire, just in case you have to move the components around. Using a wire cutter or sharp knife, strip off about half an inch of insulation from both ends. Twist the exposed wires to make them easier to insert in the speaker terminals. Make sure that you unplug your amplifier or receiver before proceeding any further.

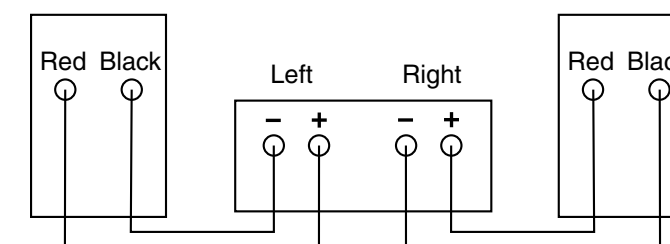
It is essential that you connect your speakers "in phase". To do so, first take note of the code used on the speaker wire to differentiate between the two wires that run through it.

To wire your speakers in phase, make sure the positive (+) terminals on the back of your receiver are connected with the red terminals on the back of your loudspeakers, and the negative (-) terminals on the receiver are connected with the black terminals on the speakers. Note that the negative (-) terminals on the receiver may

also be marked "common" or "ground" (GND).

Be certain that no stray strands of wire cross from one terminal to another on either speaker or receiver. This could result in a damaging short.

If you are uncertain whether the speakers are in phase, place the speakers close together and facing each other, and play a selection of music with some bass content. Rotate the balance control on your receiver or preamp to the extreme left, then through the center to the extreme right. The system should produce the highest bass output with the control in the center position. If this is not the case, reverse the wiring connections to one of the speakers and repeat the test. The connection that provides the most bass output is the correct one.



Care and Maintenance

Your AAL Home LoudSpeaker is an example of superior design and craftsmanship. These suggestions will help you care for the speaker so you can enjoy it for years.

- Keep dry. If it gets wet, wipe it dry immediately.
- Keep away from dust and dirt.

Caution: Do not clean the grill or speaker elements with a vacuum cleaner. Doing so might cause permanent damage. Use a feather duster or soft cloth instead.